

**IN THE CLAIMS:**

The listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. - 31. (Cancelled)

32. (Currently Amended) A contactless detector comprising:

\_\_\_\_\_ a radiation energy probe for remotely receiving radiation energy from the skin at a brain tunnel, said probe including a column for receiving radiation energy, said column including a distal end and a proximal end,

\_\_\_\_\_ a sensor located at said proximal end of said column,

\_\_\_\_\_ said distal end of said column being an open window directly receiving all of the radiation energy from the brain tunnel from the distal end to the proximal end of the column, along an unobstructed path, said column having a constant cross section with a largest inner dimension of ~~equal to or~~ less than 3.0 mm, and

\_\_\_\_\_ a field of view of said open ended window of the column being less than or equal to five degrees.

33. (Withdrawn) A detector comprising:

a radiation energy probe for remotely receiving radiation energy from the skin at a brain tunnel, said probe including a lens for collimating radiation energy received from the brain tunnel.

34. - 46. (Cancelled)

47. (New) The contactless detector as claimed in claim 32, wherein the length of said column is about 3 cm.

48. (New) The contactless detector as claimed in claim 32, wherein a ratio of a length of said column to the cross section of said column is at least 10:1.